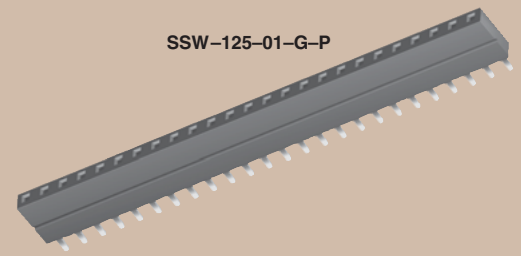


SSQ-115-04-L-T



(2,54 mm) .100"

THROUGH-HOLE .025" SQ POST SOCKET

SPECIFICATIONS

For complete specifications see www.samtec.com?SSW or www.samtec.com?SSQ

Insulator Material:

Black Liquid Crystal Polymer (-S & -D) or Black High Temperature Thermoplastic (-T)

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over 50µ" (1,27 µm) Ni

Current Rating (TSW/SSW):

5.7 A per pin (1 pin powered per row)

Current Rating (SSQ/TSW):

6.3 A per pin (1 pin powered per row)

Operating Temp Range:

-55°C to +125°C with Gold
-55°C to +105°C with Tin

Contact Resistance: 10 mΩ

Insertion Depth:

(3,68 mm) .145" to (6,35 mm) .250"

Insertion Force:

(Single contact only)

(-S plating)

Standard= 6 oz (1,67 N) avg ((0,64 mm) .025" SQ pin);

SSW Low Insertion Force=

3 oz (0,83 N) avg

SSQ Low Insertion Force=

3.3 oz (0,92 N) avg

Normal Force:

Standard= 125 grams (4.4 N)

Withdrawal Force:

(Single contact only)

(-S plating)

Standard= 5 oz (1,39 N) avg

((0,64 mm) .025" SQ pin);

SSW Low Insertion Force=

2.6 oz (0,72 N) avg

SSQ Low Insertion Force=

2.9 oz (0,81 N) avg

Max Cycles:

100 with 10µ" (0,25 µm) Au

Voltage Rating:

550 VAC mated with TSW

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



Note:
Some lengths, styles and options are non-standard, non-returnable.

Mates With:
TSW, MTSW, MTLW,
EW, ZW, TSS, ZSS,
TSM, TSSH, HTSS



TYPE STRIP

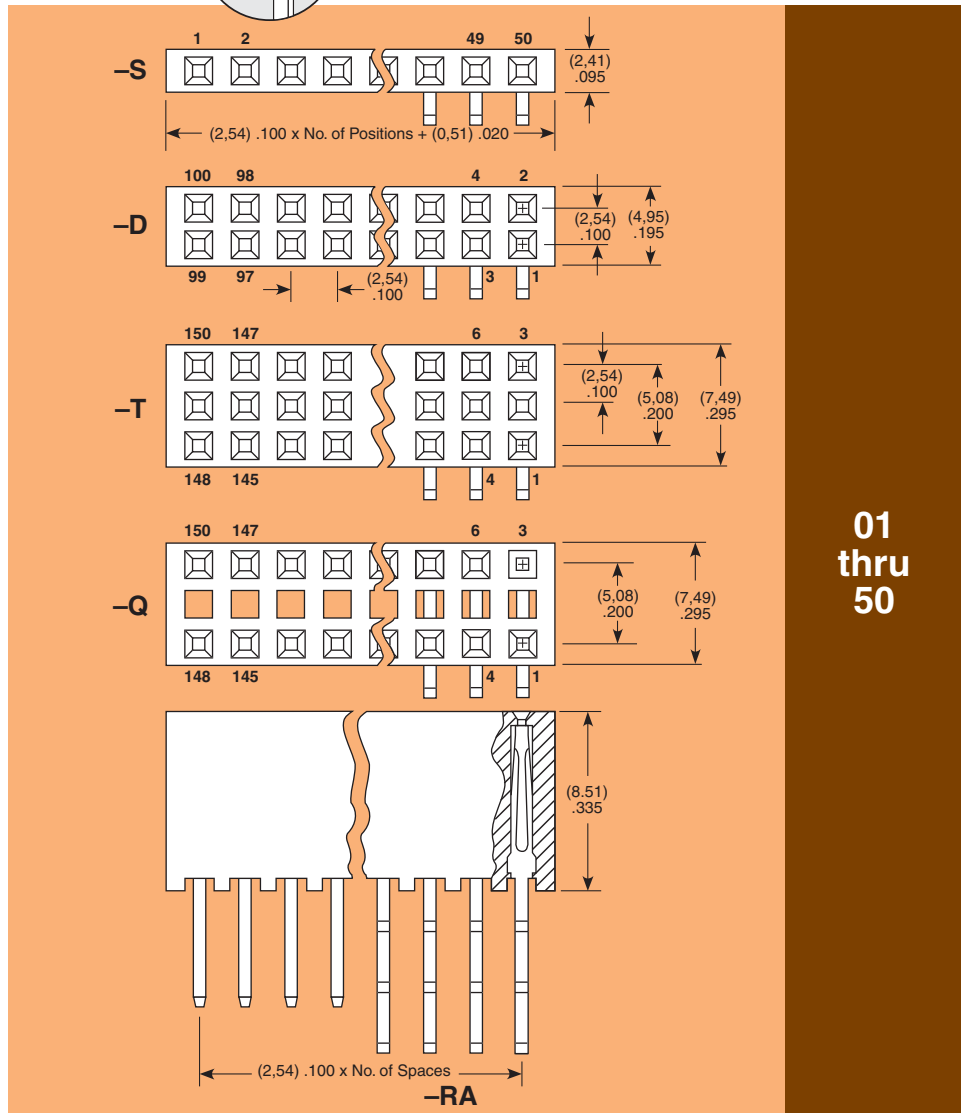
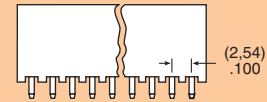
PIN CENTERS

NO. PINS PER ROW

SSW = Solder Tail

-1 = (2,54 mm) .100" Centers

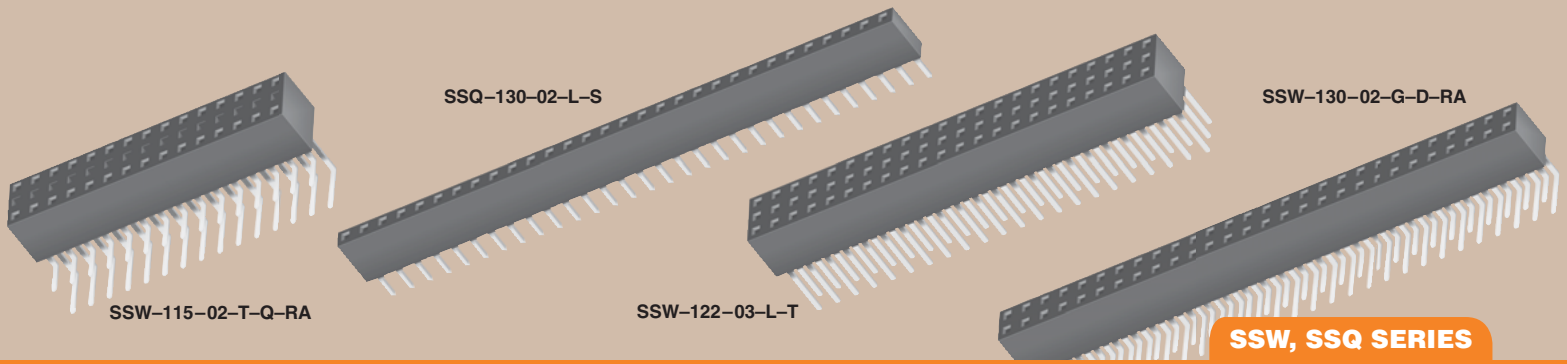
SSQ = Square Tail



01 thru 50

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM



LEAD STYLE

PLATING OPTION

ROW OPTION

TAIL OPTION

OTHER OPTION

-F

= Gold flash on contact,
Matte Tin on tail

-L

= 10µ" (0,25 µm) Gold on contact,
Matte Tin on tail

-G

= 20µ" (0,51 µm) Gold on contact,
Gold flash on tail

-T

= Matte Tin
(-T N/A on LIF contacts)

-S

= Single Row

-P

= Single Row
(Notched to mate with LCW)
36 pins max

-D

= Double Row

-T

= Triple Row

-Q

= Double Row
.200" (5,08 mm) row space
(Outer rows filled only)

-RA

= Right Angle
(Leave blank for straight pin version)

-LL

= Locking Lead



Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2,29 mm) .090" to (7,87 mm) .310" only. N/A with single row 1 or 2 positions.

-“XXX”

= Polarized
(Specify “XXX” as position number)

ALSO AVAILABLE (MOQ Required)

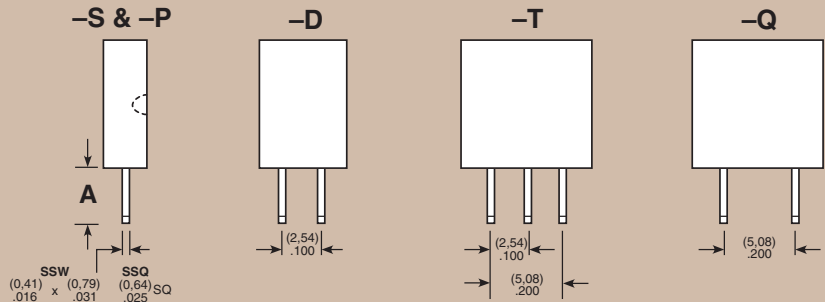
- Other platings
 - Notch option
- Contact Samtec.

Straight Pin Versions (Specify “LEAD STYLE” from chart)

LEAD STYLE		SINGLE DOUBLE OR TRIPLE A
Standard Insertion Force	Low Insertion Force*	
-01	-21	(2,64) .104
-02	-22	(4,93) .194
-03	-23	(10,00) .394
-04	-24	(14,83) .584
-06**	N/A	(3,15) .124

* LIF N/A with Tin Plating

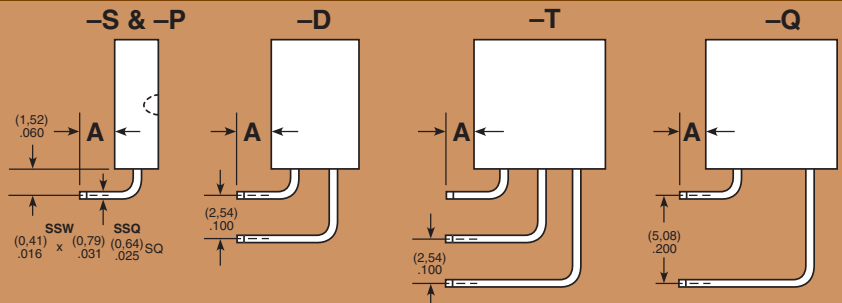
**Style -06 N/A with SSW



Right Angle Versions (Specify “LEAD STYLE” from chart)

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S & -P) A	(-D) A	(-T & -Q) A
-02	-22	(2,54) .100	(2,54) .100	(2,54) .100
-03	-23	(7,62) .300	(7,62) .300	N/A
-04	-24	(12,45) .490	N/A	N/A

*LIF N/A with Tin Plating



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